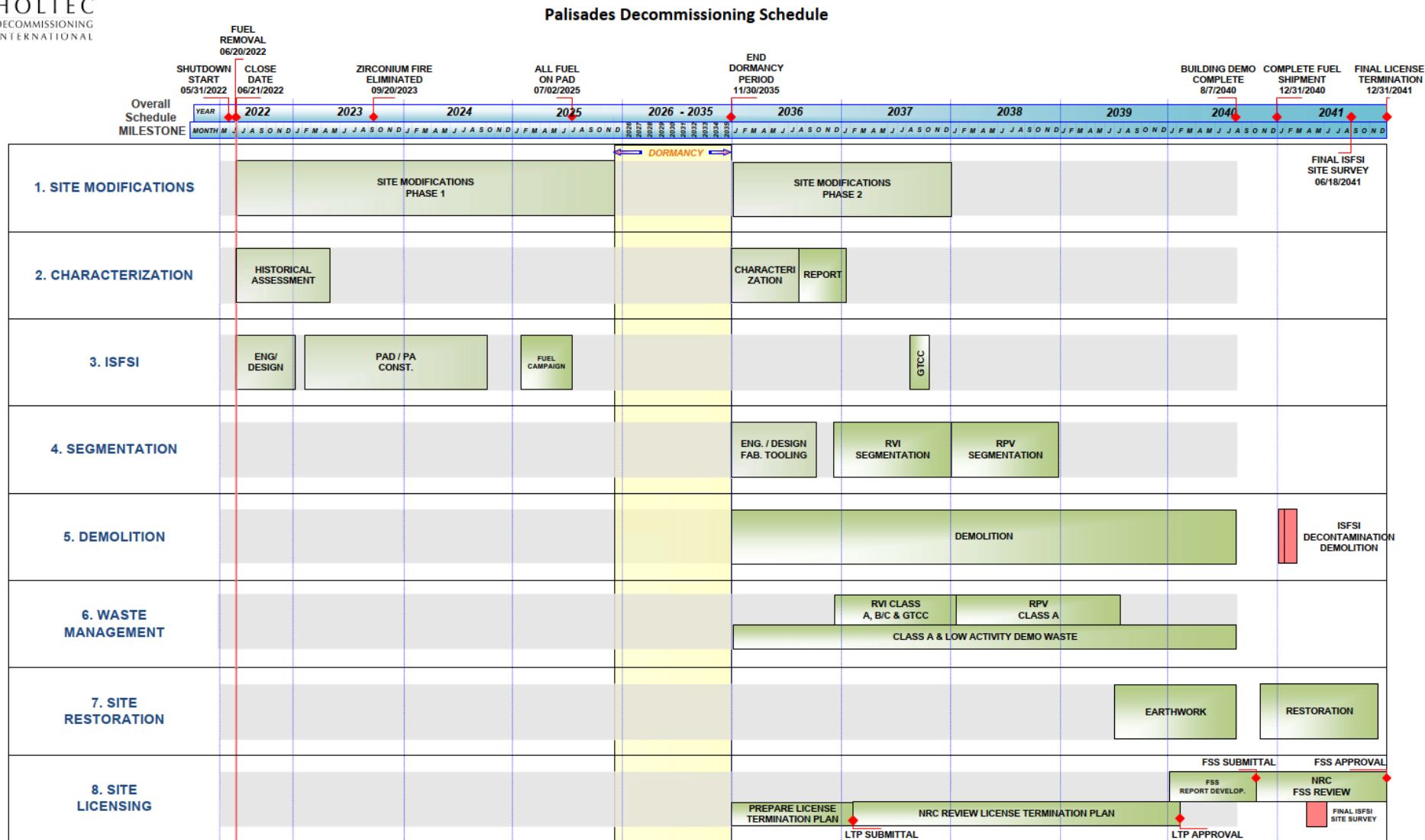


**Please note:** These pages have been extracted from the Palisades Post Shutdown Decommissioning Activities Report. To review the additional context, references, and information surrounding these extracted charts and tables, please review the full report.

The full report can be found on the NRC's website and is directly linked on the PCAP's website here:  
<https://www.vanburencountymi.gov/744/Additional-Resources>

## Palisades Nuclear Plant Site-Specific Decommissioning Cost Estimate

### Figure 5-1 Palisades Master Summary Schedule



**Palisades Nuclear Plant  
Site-Specific Decommissioning Cost Estimate**

**Table 5-1 Decommissioning Funding Cash Flow Analysis**

<b>Palisades Nuclear Power Station</b>								
Annual Cash Flow in Thousands of 2020 Dollars								
No DOE Reimbursement of Spent Fuel Management Costs								
Year	50.75 License Termination Cost <sup>2</sup>	50.54 (bb) Spent Fuel Management Cost <sup>2</sup>	Site Restoration Cost <sup>2</sup>	Total Cost <sup>2</sup>	Beginning of Year Trust Fund Balance <sup>1</sup>	Withdrawals	Trust Fund Earnings <sup>3</sup>	Year Ending Trust Fund Balance
2022	36,786	767	0	37,553	552,049	(37,553)	5,145	519,641
2023	44,539	26,831	0	71,370	519,641	(71,370)	8,965	457,237
2024	29,102	33,374	0	62,476	457,237	(62,476)	7,895	402,656
2025	26,559	32,597	0	59,156	402,656	(59,156)	6,870	350,371
2026	4,427	2,176	0	6,603	350,371	(6,603)	6,875	350,643
2027	4,584	1,712	0	6,296	350,643	(6,296)	6,887	351,234
2028	4,584	1,712	0	6,296	351,234	(6,296)	6,899	351,837
2029	4,584	1,712	0	6,296	351,837	(6,296)	6,911	352,451
2030	4,922	7,466 <sup>5</sup>	0	12,388	352,451	(12,388)	6,801	346,864
2031	4,391	6,513	0	10,904	346,864	(10,904)	6,719	342,680
2032	4,391	6,513	0	10,904	342,680	(10,904)	6,636	338,411
2033	4,391	6,513	0	10,904	338,411	(10,904)	6,550	334,058
2034	4,391	6,513	0	10,904	334,058	(10,904)	6,463	329,617
2035	7,041	6,193	202	13,437	329,617	(13,437)	6,324	322,504
2036	31,460	5,617	1,943	39,019	322,504	(39,019)	5,670	289,155
2037	39,920	5,301	5,412	50,633	289,155	(50,633)	4,770	243,293
2038	89,538	4,837	7,725	102,100	243,293	(102,100)	2,824	144,016
2039	56,475	4,820	7,438	68,733	144,016	(68,733)	1,506	76,789
2040	32,912	4,954	6,146	44,012	76,789	(44,012)	656	33,432
2041	8,221	0	5,812	14,032	33,432	(14,032)	388	19,788
<b>Total<sup>4</sup></b>	<b>443,215</b>	<b>166,122</b>	<b>34,679</b>	<b>644,015</b>		<b>(644,015)</b>	<b>111,754</b>	

<sup>1</sup> The 2022 Beginning of Year NDT balance reflects the expected fund value post-closure of the sale transition. The value used is based on the December 2, 2020 Trust Fund Balance and conservatively bounds deductions for estimated ENOI and HDI pre-closure costs of approximately \$13.3M.

<sup>2</sup> The 2022 costs include HDI estimated 2022 post-closure costs.

<sup>3</sup> NDT earnings reflect an assumed 2% Real Rate of Return (RRR).

<sup>4</sup> Columns may not add due to rounding

<sup>5</sup> Spent Fuel Management costs assume DOE removal begins in 2030 and completes in 2040

**Palisades Nuclear Plant  
Site-Specific Decommissioning Cost Estimate**

**Table 6-1 Estimated Decommissioning Cost (thousands of 2020 dollars)**

Cost By Cost Element By WBS		License Termination	Spent Fuel	Site Restoration	Total
WBS	Activities				
<b>01.02</b>	<b>Decommissioning Unit</b>	<b>443,215</b>	<b>166,122</b>	<b>34,679</b>	<b>644,015</b>
01.02.01	Pre-decommissioning actions	7,668	0	0	7,668
01.02.01.02	Facility characterization.	4,833	0	0	4,833
01.02.01.05	Authorization.	1,100	0	0	1,100
01.02.01.06	Preparing management group and contracting.	1,734	0	0	1,734
01.02.02	Facility shutdown activities	239	0	0	239
01.02.02.01	Plant shutdown and inspection.	239	0	0	239
01.02.04	Dismantling activities within the controlled area	67,720	0	0	67,720
01.02.04.01	Procurement of equipment for decontamination and dismantling.	7,409	0	0	7,409
01.02.04.04	Removal of materials requiring specific procedures.	8,896	0	0	8,896
01.02.04.05	Dismantling of main process systems, structures, and components.	48,794	0	0	48,794
01.02.04.06	Dismantling of other systems and components.	2,621	0	0	2,621
01.02.05	Waste processing, storage, and disposal	113,857	35,606	9,461	158,924
01.02.05.01	Waste management system.	4,533	0	0	4,533
01.02.05.07	Management of decommissioning high-level waste.	0	35,606	0	35,606
01.02.05.08	Management of decommissioning intermediate-level waste.	2,352	0	0	2,352
01.02.05.09	Management of decommissioning low-level waste.	32,840	0	1,035	33,875
01.02.05.12	Management of decommissioning exempt waste and materials.	71,956	0	8,427	80,382
01.02.05.13	Management of decommissioning waste and materials generated outside controlled areas.	2,176	0	0	2,176
01.02.06	Site infrastructure and operation	80,829	588	0	81,417
01.02.06.01	Site security and surveillance.	41,373	588	0	41,961
01.02.06.02	Site operation and maintenance.	10,913	0	0	10,913
01.02.06.03	Operation of support systems.	17,267	0	0	17,267
01.02.06.04	Radiation and environmental safety monitoring.	11,276	0	0	11,276
01.02.07	Conventional dismantling, demolition, and site restoration	46,107	0	12,428	58,536
01.02.07.03	Demolition of buildings and structures.	45,190	0	12,428	57,618
01.02.07.05	Final radioactivity survey of site.	917	0	0	917
01.02.08	Project management, engineering, and support	70,080	28,690	2,952	101,723
01.02.08.02	Project management.	32,168	19,064	1,817	53,049
01.02.08.03	Support services.	29,018	7,962	825	37,805
01.02.08.04	Health and safety.	7,718	1,664	311	9,693
01.02.08.08	Support services by contractors (if needed).	1,176	0	0	1,176
01.02.10	Fuel and nuclear material	9,029	90,768	9,221	109,018
01.02.10.01	Removal of fuel or nuclear material from facility to be decommissioned.	0	17,398	0	17,398
01.02.10.02	Dedicated ISFSI for fuel and/or nuclear material.	8,709	73,370	217	82,296
01.02.10.03	Decommissioning of ISFSI.	320	0	9,005	9,324
01.02.11	Miscellaneous expenditures	47,686	10,469	615	58,771
01.02.11.01	Owner costs.	31,054	3,324	421	34,799
01.02.11.02	Taxes.	3,705	1,837	0	5,542
01.02.11.03	Insurances.	12,927	5,309	194	18,429

**Palisades Nuclear Plant  
Site-Specific Decommissioning Cost Estimate**

**Table A-1 ISFSI Decommissioning Cost Estimate (thousands of 2020 dollars)**

Activities	Removal Costs	Transport Costs	Disposal Costs	Other Costs	Burial Volume Class A (cf)	Labor (FTE)	License Termination	Spent Fuel	Site Restoration	Total Costs
ISFSI Demolition Non-Radiological	2,234								2,234	2,234
ISFSI Clean Waste			26						26	26
ISFSI Final Site Survey				53			53			53
ISFSI NRC Confirmatory Survey				5			5			5
ISFSI Demolition Radiological	263				26,254		263			263
ISFSI Radiological Waste	74	551	294						919	919
NRC License Termination Support										
Security Staff				325		12			325	325
Security Management				197		4			197	197
Property Tax				7					7	7
Insurance				179					179	179
NRC Regulatory Fees				734					734	734
<b>Total</b>										<b>4,941</b>